

**State of Wisconsin/Department of Transportation**  
**RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Sep 30, 2003**

<b>Program: SPR-0010(36) FFY99</b>		<b>Part: II Research and Development</b>	
<b>Project Title: Investigation of Testing Methods to Determine Long Term Durability of WI Aggregate Resources Including Natural Mat... Materials, Industrial By-Product</b>		<b>Project ID: 0092-02-03</b>	
<b>Administrative Contact: Nina McLawhorn</b>		<b>Sponsor:</b>	
<b>WisDOT Technical Contact: Bob Arndorfer</b>		<b>Approved Starting Date: Oct 29, 2002</b>	
<b>Approved by COR/Steering Committee: \$202,084.00</b>		<b>Approved Ending Date: Sep 15, 2005</b>	
<b>Project Investigator (agency &amp; contact): Richard Weyers: Error! Bookmark not defined.</b>			

**Description:** This study will be conducted over 30 months, and will be completed in five (5) phases.

Phase 1: Literature Search

Phase 2: Aggregate Durability Test Methods

Phase 3: Laboratory Investigation

Phase 4: Analysis of Test Results

Phase 5: Reports (Quarterly, Final, Implementation)

<b>Total Study Budget</b>	<b>Current FFY Budget</b>	<b>Expenditures for Current Quarter</b>	<b>Total Expenditures to Date</b>	<b>Percent Complete</b>
<b>\$202,084.00</b>	<b>\$67,361.33</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>0 (%)</b>

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**Progress This Quarter:**

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)

The development of the preliminary aggregate test method- performance matrix was initiated. The preliminary matrix is based on three NCHRP Reports: 405 Aggregate Tests Related to Asphalt Concrete Performance in Pavements; 453 Performance-Related Tests of Aggregate for Use in Unbound Pavement Layers; Project 4-20C Aggregate Tests for Portland Cement Concrete Pavements: State of the Knowledge. As these three reports each contain a literature review, future literature review of these three subject areas will primary focus on the literature published after the respective literature review completion dates.

**Work Next Quarter:**

Continue the above literature review, Expand the subject to structural concretes and the use of recycled materials as aggregate, and continue to develop and expand the test method- performance matrix.

**Circumstances affecting progress/budget:**

The Principal investigator, Richard E. Weyers, when on research leave short after the sign research contract was put in- place, he was on research leave at the Virginia Transportation Research Council from December 16, 2002 to May 15, 2003. From May 16, 2003 to September 15, 2003 he was on a research assignment conducting field surveys of 40 bridge decks, commitment to this research assignment was made prior to the start date of this project. With the field work now completed and research associates assigned to the laboratory testing and data analysis tasks, Richard Weyers can now concentrate on this (Wisconsin Aggregate) project and recruit research assistants.

**Gantt Chart:**

**Note, as of September 30,2003, no project funds have been spent and technical progress has been minimal,** see above statement on circumstances affecting progress/budget.

**Note: Gantt chart shown in State Fiscal Year Quarters**